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Zeichen/Ref./Réf. <b>PJF01533EP</b>	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. <b>02258640.8-1246-</b>
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire <b>Aston Photonic Technologies Ltd.</b>	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: **1A**

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 2002/025097 A1 (SMITH PETER W E ET AL) 28 February 2002 (2002-02-28) * page 4, column 1, line 13 - column 2, line 26 * * page 4, column 2, line 59 - line 62 * * page 5, column 1, line 16 - line 30 * * page 5, column 2, line 2 - line 40 * * page 6, column 2, line 5 - line 12 * * page 7, column 2, line 22 - line 35 * * page 8, column 1, line 9 - line 53 * * page 8, column 2, line 20 - line 30 * * claims 22,28-31,57 * * figures 1-3,11 *	1,4-8, 12,13	H04B10/08 G01K11/32 G01D5/353
Y	---	2,3,14, 15	
Y	STUBKJAER K E ET AL: "Recent advances in semiconductor optical amplifiers and their applications" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON INDIUM PHOSPHIDE AND RELATED MATERIALS. NEWPORT, APR. 21 - 24, 1992, NEW YORK, IEEE, US, vol. CONF. 4, 21 April 1992 (1992-04-21), pages 242-245, XP010058407 ISBN: 0-7803-0522-1 * page 244, column 1, paragraph 3 - column 2, paragraph 3 *	2,3	TECHNICAL FIELDS SEARCHED (Int.Cl.7)  H04B G01K G01D
Y	US 2001/013934 A1 (KLUTH ERHARD LOTHAR EDGAR ET AL) 16 August 2001 (2001-08-16) * page 3, column 1, paragraph 54 - page 5, column 2, paragraph 87 * * figures 1,4-8,11 * --- -/--	14,15	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 April 2003	Examiner Vaquero, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	VOLANTHEN M ET AL: "Low coherence technique to characterise reflectivity and time delay as a function of wavelength within a long fibre grating" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 32, no. 8, 11 April 1996 (1996-04-11), pages 757-758, XP006005016 ISSN: 0013-5194 * the whole document * -----	8-11	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 Apr11 2003	Examiner Vaquero, R
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 8640

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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10-04-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002025097	A1	28-02-2002	US	6212306 B1	03-04-2001
US 2001013934	A1	16-08-2001	AU	1167499 A	16-06-1999
			CA	2311795 A1	10-06-1999
			EP	1036307 A1	20-09-2000
			WO	9928713 A1	10-06-1999
			NO	20002790 A	31-07-2000